FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0092.5US	SERIAL NO. 10/680,943 ~~Not Yet Known~~
	APPLICANT Lomp et al.	
	FILING DATE ~~Not Yet Known~~ 10/08/2003	GROUP ~~Not Yet Known~~ 2611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	AA	4	3	2	0	5	1	3	03/1982	Lampert			
	AB	4	9	0	1	3	0	7	2/13/90	Gilhousen et al.			
	AC	5	0	2	2	0	4	9	6/4/91	Abrahamson et al.			
	AD	5	0	8	4	9	0	0	1/28/92	Taylor			
	AE	5	0	9	3	8	4	0	3/3/92	Schilling			
	AF	5	1	0	3	4	5	9	4/7/92	Gilhousen et al.			
	AG	5	1	0	9	3	9	0	4/28/92	Gilhousen et al.			
	AH	5	1	6	6	9	5	1	11/24/92	Schilling			
	AI	5	1	6	6	9	5	2	11/1992	Omurg et al.			
	AJ	5	1	6	6	9	2	9	11/1992	Lo, Wing F.			
	AK	5	1	9	3	0	9	4	3/9/93	Viterbi			
	AL	5	2	0	4	8	7	6	4/20/93	Bruckert et al.			
	AM	5	2	2	8	0	5	4	7/13/93	Rueth et al.			
	AN	5	2	2	8	0	5	6	7/13/93	Schilling			
	AO	5	2	3	7	5	8	6	8/17/93	Bottomley			
	AP	5	2	4	1	6	9	0	8/31/93	Larsson et al.			
	AQ	5	2	4	5	6	2	9	9/14/93	Hall			
	AR	5	2	5	3	2	6	8	10/12/93	Omura et al.			
	AS	5	2	5	7	2	8	3	10/26/93	Gilhousen et al.			
	AT	5	2	6	0	9	6	7	11/9/93	Schilling			
	AU	5	2	6	5	1	1	9	11/23/93	Gilhoussen et al.			
	AV	5	2	6	7	2	6	2	11/30/93	Wheatley, III			
/YT/	AW	5	2	8	3	5	3	6	2/1/94	Wheatley, III et al.			

EXAMINER	DATE CONSIDERED
/Young Tse/	02/16/2007

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U.S. PATENT DOCUMENTS

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/YT/	AX	5,295,152	3/15/94	Gudmundson et al.			
	AY	5,299,226	3/29/94	Schilling			
	AZ	5,299,228	3/29/94	Hall			
	BA	5,309,474	5/3/94	Gilhousen et al.			
	BB	5,327,455	7/5/94	DeGaudenzi et al.			
	BC	5,327,456	7/5/94	DeGaudenzi et al.			
	BD	5,341,396	8/23/94	Higgins			
	BE	5,345,467	9/6/94	Dent			
	BF	5,345,473	9/13/94	Meehan			
	BG	5,349,609	9/20/94	Lovell et al.			
	BH	5,377,183	12/27/94	Dent			
	BI	5,376,780	11/1994	Subramanian			
	BJ	5,365,544	11/1994	Puhl et al.			
	BK	5,392,287	2/21/95	Tiedemann, Jr. et al.			
	BL	5,396,516	3/7/95	Padovani et al.			
	BM	5,402,442	4/4/95	Dent			
	BN	5,412,687	5/9/95	Zehavi			
	BO	5,414,728	5/9/95	Fenton			
	BP	5,416,797	5/16/95	Gilhousen et al.			
	BQ	5,422,908	5/30/95	Schilling			
/YT/	BR	5,430,759	7/4/95	Dent			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	BS	5	4	4	0	5	9	7	8/8/95	Chung et al.			
	BT	5	4	4	2	6	6	2	8/15/95	Fukasawa et al.			
	BU	5	4	4	6	6	8	3	8/29/95	Mullen et al.			
	BV	5	3	9	6	5	3	9	03/1995	Slekys et al.			
	BW	5	4	2	0	8	6	4	05/1995	Dahlin et al.			
	BX	5	4	0	6	6	1	5	4/1995	Miller, II et al.			
	BY	5	4	5	4	0	2	6	9/1995	Tanaka			
	BZ	5	5	2	8	6	2	4	6/18/96	Kaku et al.			
	CA	5	5	4	4	1	5	6	8/6/96	Teder et al.			
	CB	5	5	4	8	6	1	3	8/20/96	Kaku et al.			
	CC	5	5	5	0	8	1	1	8/27/96	Kaku et al.			
	CD	5	5	5	9	7	9	0	9/24/96	Yano et al.			
	CE	5	4	8	8	6	2	9	1/30/96	Takahashi et al.			
	CF	5	5	1	9	7	3	6	5/21/96	Ishida			
	CG	5	5	7	4	7	7	5	11/1996	Miller, II et al.			
	CH	5	6	7	3	2	8	6	9/30/97	Lomp			
	CI	5	6	7	3	2	5	9	9/1997	Quick, Jr.			
	CJ	5	6	5	4	9	8	0	08/1997	Latva-aho et al.			
	CK	5	7	1	2	8	6	9	1/27/98	Lee et al.			
	CL	4	9	4	0	7	7	1	8/1999	Gollnick et al.			
/YT/	CM	5	9	9	1	3	3	2	11/99	Lomp et al.			

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	FILING DATE Not Yet Known	GROUP Not Yet Known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	CN	5 8 7 5 4 0 0	2/1999	Madhavapeddy et al.			
/YT/	CO	5 8 7 2 8 1 0	02/1999	Phillips et al.			
/YT/	CP	5 8 8 1 3 6 8	03/1999	Grob et al.			
/YT/	CQ	6 1 0 8 5 3 7	8/2000	Cormer et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
/YT/	CR	D E 37 43 73 1A 1	7/13/89	Germany				
	CS	D E 37 43 73 2A 1	7/13/89	Germany				
	CT	0 4 6 2 5 7 2	12/1991	EP				
	CU	W O 92 21 1 9 6	11/1992	PCT				
	CV	E P 04 64 83 9A 2	1/8/92	Europe				
	CW	9 3 1 4 5 8 8	07/1993	WO				
	CX	E P 05 26 10 6A 2	2/3/93	Europe				
	CY	9 4 2 8 6 4 0	12/1994	WO				
	CZ	2 2 8 0 5 7 5	02/1995	GB				
	DA	W O 95 07 5 7 8	3/16/95	PCT				
	DB	E P 06 54 91 3A 2	5/24/95	Europe				
	DC	E P 06 56 71 6A 1	6/7/95	Europe				
	DD	E P 06 68 66 2A 1	8/23/95	Europe				
	DE	W O 95 03 6 5 2	2/2/95	PCT				
/YT/	DF	W O 97 02 6 6 5	1/23/97	PCT				

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/YT/	DG	Raymond W. Nettleton, "Spectral Efficiency in Cellular Land-Mobile Communications: A Spread-Spectrum Approach," UMI Dissertation Information Service (1978) 204 pp.
/YT/	DH	Hossein Al Avi, "Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System," UMI Dissertation Information Services, (1984) 129pp.
/YT/	DI	"Code Division Multiple Access (CDMA)", Franz Josef Hagmanns, Volker Hespelt, 8273 ANT Nachrichtentechnische Berichte (1993) August, No. 10, Backnang, DE, pp. 64-71
	~~DJ~~	~~Raymond W. Nettleton, "Spectral Efficiency in Cellular Land-Mobile Communications: A Spread-Spectrum~~ Approach," UMI Dissertation Information Service (1978) 204 pp.
/YT/	DK	Pahlavan et al.; "Performance of adaptive matched filter receivers over fading multipath channels;" IEEE; vol. 38, no. 12; pgs. 2106-2113; December 1990.
/YT/	DL	Giannetti et al.; "Design of an all-digital receiver for narrowband continuous-phase asynchronous CDMA systems;" IEEE; vol. 3; pgs. 468-472; May 1993.
/YT/	DM	Braun et al.; "An All-digital receiver for satellite audio broadcasting signals using trellis coded quasi-orthogonal code-division multiplexing," AEI; vol. 4, no. 1; pgs. 23-32; 1993.
/YT/	DN	Rick et al.; "Noncoherent parallel acquisition in CDMA spread spectrum systems;" IEEE; paragraph 1; May 1994.
/YT/	DO	Bernasconi; "Receiver architectures for the down-link in a DS-CDMA mobile system;" IEEE; pgs. 51-55; September 1994.

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JUN 21 2004
PATENT & TRADEMARK OFFICE

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	APPLICANT Lomp et al.	
	FILING DATE October 8, 2003	GROUP ~~2634~~ 2611

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	DP	5,568,483	10/1996	Padovani et al.			
/YT/	DQ	5,574,754	11/1996	Kurihara et al.			
/YT/	DR	5,652,765	07/1997	Adachi et al.			
	~~DS~~	~~5,673,286~~	~~09/1997~~	~~Lomp~~			
/YT/	DT	5,812,593	09/1998	Kaku			
	DU	5,828,662	10/1998	Jalali et al.			
	DV	5,966,403	10/1999	Pon			
	DW	6,104,748	08/2000	Kaku			
	DX	6,212,174	04/2001	Lomp et al.			
	DY	6,272,168	08/2001	Lomp et al.			
	DZ	6,381,264	04/2002	Lomp et al.			
	EA	6,434,124	08//2002	Rege			
	EB	6,654,613	11/2003	Maeng			
/YT/	EC	6,721,301	04/2004	Ozluturk et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
AUG 12 2004 PTO/SB/08A (08-03)

FORM PTO-1449	ATTY. DOCKET NO.	SERIAL NO.
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	I-2-0092.5US	10/680,943
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Lomp et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	ED	5,619,526	04/1997	Kim et al.			
/YT/	EE	5,627,835	05/1997	Witter			
/YT/	EF	5,710,768	01/1998	Ziv et al.			
/YT/	EG	5,790,591	08/1998	Gold et al.			

FOREIGN PATENT DOCUMENTS

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	EH	5,253,347	10/1993	Bagnoli et al.			
	EI	5,276,907	04/1994	Meidan Reuven			
	EJ	5,329,547	07/1994	Ling et al.			
	EK	5,574,983	11/1996	Duozono et al.			
/YT/	EL	5,604,730	02/1997	Tiedemann, Jr.			
~~—~~	~~EM~~	~~5,619,526~~	~~04/1997~~	~~Kim et al.~~			
/YT/	EN	5,748,687	05/1998	Ozluturk			
	EO	5,771,451	06/1998	Takai et al.			
	EP	5,878,350	03/1999	Nakamura et al.			
	EQ	5,884,187	03/1999	Ziv et al.			
/YT/	ER	5,884,196	03/1999	Lekven et al.			
~~—~~	~~ES~~	~~5,966,403~~	~~10/1999~~	~~Pon~~			
~~—~~	~~ET~~	~~6,212,174~~	~~04/2001~~	~~Lomp et al.~~			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
/YT/	EU	0505341A	09/1992	Europe				
/YT/	EV	0637178A	02/1995	Europe				
/YT/	EW	9512257	05/1995	WO				
/YT/	EX	9013942	1990	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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/YT/	*	3,700,820	10/1972	Blasbalg et al.			
	*	3,761,610	09/1973	Krallinger et al.			
	*	4,069,392	01/1978	Goldenberg et al.			
	*	4,156,277	05/1979	Seitz et al.			
/YT/	*	4,292,623	09/1981	Eswaran et al.			
~~—~~	~~—~~	~~4,320,513~~	~~03/1982~~	~~Lamport~~	~~—~~	~~—~~	~~—~~
/YT/	*	4,384,307	05/1983	Kuzmik et al.			
	*	4,385,206	05/1983	Bradshaw et al.			
	*	4,403,322	09/1983	Kato et al.			
	*	4,425,665	01/1984	Stauffer			
	*	4,458,314	07/1984	Grimes			
	*	4,480,307	10/1984	Budde et al.			
	*	4,570,220	02/1986	Tetrick et al.			
	*	4,583,124	04/1986	Tsuji et al.			
	*	4,608,700	08/1986	Kirtley, Jr. et al.			
	*	4,630,126	12/1986	Kaku et al.			
	*	4,646,232	02/1987	Chang et al.			
	*	4,667,192	05/1987	Schmid et al.			
	*	4,675,865	06/1987	DeVries et al.			
	*	4,709,343	11/1987	Van Chang			
	*	4,744,079	05/1988	Csapo et al.			
	*	4,768,145	08/1988	Wheelwright et al.			
	*	4,811,262	03/1989	White			
	*	4,811,421	03/1989	Havel et al.			
/YT/	*	4,862,402	08/1989	Shah et al.			
~~—~~	~~—~~	~~4,901,307~~	~~02/1990~~	~~Gilhousen et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	4,914,574	04/1990	Terada et al.			
~~—~~	~~—~~	~~5,022,049~~	~~06/1991~~	~~Abrahamson et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,050,004	09/1991	Morton, Jr.			
/YT/	*	5,056,109	10/1991	Gilhousen et al.			
~~—~~	~~—~~	~~5,084,900~~	~~01/1992~~	~~Taylor~~	~~—~~	~~—~~	~~—~~

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~~—~~	~~—~~	~~5,093,840~~	~~03/1992~~	~~Schilling~~			
~~—~~	~~—~~	~~5,103,459~~	~~04/1992~~	~~Gilhousen et al.~~			
/YT/	*	5,105,423	04/1992	Tanaka et al.			
~~—~~	~~—~~	~~5,109,390~~	~~04/1992~~	~~Gilhousen et al.~~			
/YT/	*	5,107,225	04/1992	Wheatley et al.			
	*	5,113,525	05/1992	Andoh			
	*	5,115,429	05/1992	Huckyj et al.			
	*	5,117,385	05/1992	Gee			
	*	5,140,613	08/1992	Birgenheier et al.			
	*	5,159,283	10/1992	Jensen			
	*	5,159,551	10/1992	Brunnett et al.			
/YT/		5,166,929	11/1992	Lo			
~~—~~	~~—~~	~~5,166,051~~	~~11/1992~~	~~Schilling~~			
~~—~~	~~—~~	~~5,166,952~~	~~11/1992~~	~~Omura et al.~~			
~~—~~	~~—~~	~~5,193,094~~	~~03/1993~~	~~Viterbi~~			
/YT/	*	5,199,061	03/1993	Kim			
~~—~~	~~—~~	~~5,204,876~~	~~04/1993~~	~~Bruckert et al.~~			
/YT/	*	5,216,692	06/1993	Ling			
/YT/	*	5,224,120	06/1993	Schilling			
~~—~~	~~—~~	~~5,228,054~~	~~07/1993~~	~~Rueth et al.~~			
~~—~~	~~—~~	~~5,228,056~~	~~07/1993~~	~~Schilling~~			
/YT/	*	5,235,614	08/1993	Bruckert et al.			
~~—~~	~~—~~	~~5,237,586~~	~~08/1993~~	~~Bottomley~~			
~~—~~	~~—~~	~~5,241,690~~	~~08/1993~~	~~Larsson et al.~~			
~~—~~	~~—~~	~~5,245,629~~	~~09/1993~~	~~Hall~~			
~~—~~	~~—~~	~~5,253,268~~	~~10/1993~~	~~Omura et al.~~			
~~—~~	~~—~~	~~5,253,347~~	~~10/1993~~	~~Bagnoli et al.~~			
~~—~~	~~—~~	~~5,257,283~~	~~10/1993~~	~~Gilhousen et al.~~			
/YT/	*	5,258,940	11/1993	Coker et al.			
~~—~~	~~—~~	~~5,260,967~~	~~11/1993~~	~~Schilling~~			

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/YT/	*	5,262,974	11/1993	Hausman et al.			
~~—~~	~~—~~	~~5,265,119~~	~~11/1993~~	~~Gilhousen et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,267,262~~	~~11/1993~~	~~Wheatley, III~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,274,474	12/1993	Medina			
/YT/	*	5,276,684	01/1994	Pearson			
~~—~~	~~—~~	~~5,276,907~~	~~04/1994~~	~~Meidan~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,283,536~~	~~02/1994~~	~~Wheatley, III~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,287,299	02/1994	Lin			
/YT/	*	5,287,463	02/1994	Frame et al.			
~~—~~	~~—~~	~~5,295,152~~	~~03/1994~~	~~Gudmundson et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,297,162	03/1994	Lee et al.			
~~—~~	~~—~~	~~5,299,226~~	~~03/1994~~	~~Schilling~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,299,228~~	~~03/1994~~	~~Hall~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,305,349	04/1994	Dent			
~~—~~	~~—~~	~~5,309,474~~	~~05/1994~~	~~Gilhousen et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,311,459	05/1994	D'Luna et al.			
/YT/	*	5,321,721	06/1994	Yamaura et al.			
~~—~~	~~—~~	~~5,327,455~~	~~07/1994~~	~~DeGaudenzi et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,327,467~~	~~07/1994~~	~~DeGaudenzi et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,329,547~~	~~07/1994~~	~~Ling et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,339,174	08/1994	Harris			
~~—~~	~~—~~	~~5,341,396~~	~~08/1994~~	~~Higgins et al~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,341,397	08/1994	Gudmundson			
/YT/	*	5,343,335	08/1994	Hara			
~~—~~	~~—~~	~~5,345,598~~	~~09/1994~~	~~Dent~~	~~—~~	~~—~~	~~—~~
~~—~~	~~*~~	~~5,347,536~~	~~09/1994~~	~~Meehan~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,349,606~~	~~09/1994~~	~~Lovell et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,351,134	09/1994	Yaguchi et al.			
/YT/	*	5,353,302	10/1994	Bi			
/YT/	*	5,353,352	10/1994	Dent et al.			
/YT/	*	5,355,453	10/1994	Row et al.			
~~—~~	~~—~~	~~5,361,276~~	~~11/10004~~	~~Subrmanian~~	~~—~~	~~—~~	~~—~~

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/YT/	*	5,363,377	11/1994	Sharpe			
/YT/	*	5,365,544	11/1994	Schilling			
~~—~~		~~5,365,585~~	~~11/1994~~	~~Puhl et al.~~			
/YT/	*	5,367,533	11/1994	Schilling			
/YT/	*	5,373,502	12/1994	Turban			
/YT/	*	5,377,183	12/1994	Dent			
/YT/	*	5,379,242	01/1995	Rose et al.			
~~—~~		~~5,392,287~~	~~02/1995~~	~~Tiedemann, Jr. et al.~~			
~~—~~		~~5,396,516~~	~~03/1995~~	~~Padovani et al.~~			
~~—~~	*	~~5,396,539~~	~~03/1995~~	~~Sleyks et al.~~			
/YT/	*	5,398,243	03/1995	Aguilhon et al.			
~~—~~		~~5,404,376~~	~~4/1995~~	~~Dent~~			
/YT/	*	5,406,559	04/1995	Edem et al.			
~~—~~		~~5,406,615~~	~~04/1995~~	~~Miller, II et al.~~			
/YT/	*	5,410,568	04/1995	Schilling			
~~—~~		~~5,414,728~~	~~05/1995~~	~~Zehavi~~			
~~—~~		~~5,414,729~~	~~05/1995~~	~~Fenton~~			
/YT/	*	5,414,732	05/1995	Kauffman			
~~—~~		~~5,416,797~~	~~05/1995~~	~~Gilhousen et al.~~			
/YT/	*	5,418,624	05/1995	Ahmed			
/YT/	*	5,420,850	05/1995	Umeda et al.			
~~—~~		~~5,420,864~~	~~05/1995~~	~~Dahlin et al.~~			
~~—~~		~~5,420,896~~	~~06/1995~~	~~Schilling~~			
/YT/	*	5,430,724	07/1995	Fall et al.			
~~—~~		~~5,430,760~~	~~07/1995~~	~~Dent~~			
~~—~~		~~5,440,597~~	~~08/1995~~	~~Chung et al.~~			
~~—~~		~~5,442,662~~	~~08/1995~~	~~Fukasawa et al.~~			
~~—~~	*	~~5,446,683~~	~~08/1995~~	~~Mullen et al.~~			

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/YT/	*	5,446,756	08/1995	Mallinckrodt			
	*	5,448,600	09/1995	Lucas			
		5,454,026	09/1995	Tanaka			
	*	5,459,759	10/1995	Schilling			
	*	5,483,549	01/1996	Weinberg et al.			
	*	5,485,486	01/1996	Gilhousen et al.			
/YT/	*	5,487,089	01/1996	Misaizu et al.			
~~—~~	~~—~~	~~5,488,629~~	~~01/1996~~	~~Takahashi et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,506,864	04/1996	Schilling			
/YT/	*	5,509,126	04/1996	Oprescu et al.			
~~—~~	~~—~~	~~5,510,736~~	~~05/1996~~	~~Ishida~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,528,593	06/1996	English et al.			
~~—~~	~~—~~	~~5,528,624~~	~~06/1996~~	~~Kaku et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	*	~~5,544,156~~	~~08/1996~~	~~Teder et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	*	~~5,548,613~~	~~08/1996~~	~~Kaku et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,574,775~~	~~11/1996~~	~~Miller, II et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	*	~~5,550,811~~	~~08/1996~~	~~Kaku et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,550,700~~	~~08/1996~~	~~Yano et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,561,669	10/1996	Lenny et al.			
/YT/	*	5,563,912	10/1996	Yasunga			
~~—~~	~~—~~	~~5,568,483~~	~~10/1996~~	~~Padovani et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,574,754~~	~~11/1996~~	~~Kurihara et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,574,989~~	~~11/1996~~	~~Duezono et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,594,718	01/1997	Weaver, Jr. et al.			
/YT/	*	5,596,570	01/1997	Soliman			
~~—~~	~~—~~	~~5,604,700~~	~~02/1997~~	~~Tiedemann, Jr.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,619,524	04/1997	Ling et al.			
~~—~~	~~—~~	~~5,610,526~~	~~04/1997~~	~~Kim et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,627,835~~	~~05/1997~~	~~Witter~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,627,855	05/1997	Davidovici			
/YT/	*	5,638,362	06/1997	Dohi et al.			

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/YT/	*	5,644,590	07/1997	Sugita			
~~—~~	~~—~~	~~5,650,765~~	~~07/1997~~	~~Adachi et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,654,080~~	~~08/1997~~	~~Latva-aho et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,657,343	08/1997	Schilling			
~~—~~	~~—~~	~~5,673,259~~	~~09/1997~~	~~Quick, Jr.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,673,286~~	~~09/1997~~	~~Lomp~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,675,581	10/1997	Soliman			
/YT/	*	5,691,974	11/1997	Zehavi et al.			
/YT/	*	5,692,008	11/1997	Van Nee			
~~—~~	~~—~~	~~5,710,768~~	~~03/1998~~	~~Ziv et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,712,869	01/1998	Lee et al.			
/YT/	*	5,722,051	02/1998	Agrawal et al.			
/YT/	*	5,745,484	04/1998	Scott			
~~—~~	~~—~~	~~5,748,687~~	~~05/1998~~	~~Ozluturk~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,771,451~~	~~06/1998~~	~~Takai et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,781,584	07/1998	Zhou et al.			
~~—~~	~~—~~	~~5,790,591~~	~~08/1998~~	~~Gold et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,796,776	08/1998	Lomp et al.			
~~—~~	~~—~~	~~5,812,593~~	~~09/1998~~	~~Kaku~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,828,662~~	~~10/1998~~	~~Jalali et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,841,768	11/1998	Ozluturk et al.			
/YT/	*	5,870,378	02/1999	Huang et al.			
~~—~~	~~—~~	~~5,872,810~~	~~02/1999~~	~~Phillips et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,875,400~~	~~02/1999~~	~~Madhavapeddy et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,878,329	03/1999	Mallinckrodt			
~~—~~	~~—~~	~~5,878,350~~	~~03/1999~~	~~Nakamura et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,881,056	03/1999	Huang et al.			

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~~—~~	~~—~~	~~5,881,368~~	~~03/1999~~	~~Grob et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,884,187~~	~~03/1999~~	~~Ziv et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~5,884,106~~	~~03/1999~~	~~Lelven et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	5,898,665	04/1999	Sawahashi et al.			
/YT/	*	5,940,382	08/1999	Haim			
		5,940,771	08/1999	Gollnick et al.			
/YT/	*	5,953,346	09/1999	Luddy			
~~—~~	~~—~~	~~5,966,408~~	~~10/1999~~	~~Pon~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~6,001,332~~	~~11/1999~~	~~Lomp et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	6,018,528	01/2000	Gitlin et al.			
/YT/	*	6,072,787	06/2000	Hamalainen et al.			
/YT/	*	6,088,335	07/2000	I et al.			
/YT/	*	6,049,535	04/2000	Ozluturk et al.			
~~—~~	~~—~~	~~6,104,748~~	~~08/2000~~	~~Kaku~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~6,108,537~~	~~08/2000~~	~~Cormor et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	6,122,292	09/2000	Watanabe et al.			
/YT/	*	6,141,374	10/2000	Burns			
~~—~~	~~—~~	~~6,212,174~~	~~04/2001~~	~~Lomp et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	6,229,843	05/2001	Lomp et al.			
~~—~~	~~—~~	~~6,272,168~~	~~08/2001~~	~~Lomp et al.~~	~~—~~	~~—~~	~~—~~
/YT/	*	6,292,519	09/2001	Popovic			
~~—~~	~~—~~	~~6,381,264~~	~~04/2002~~	~~Lomp et al.~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~6,434,124~~	~~08/2002~~	~~Rego~~	~~—~~	~~—~~	~~—~~
/YT/	*	6,463,295	10/2002	Yun			
/YT/	*	6,519,461	02/2003	Andersson et al.			
/YT/	*	6,549,565	04/2003	Buehrer et al.			
/YT/	*	6,587,447	07/2003	Wang et al.			
~~—~~	~~—~~	~~6,654,613~~	~~11/2003~~	~~Maeng et al.~~	~~—~~	~~—~~	~~—~~

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/YT/	*	6,708,041	03/2004	Butovitsch et al.			
~~/YT/~~	~~*~~	~~6,721,301~~	~~04/2004~~	~~Ozluturk et al.~~			
/YT/	*	6,760,321	07/2004	Shamsunder			
/YT/	*	6,763,244	07/2004	Chen et al.			
/YT/	*	6,778,551	08/2004	Magnus et al.			
/YT/	*	2003/0193914	10/2003	Lomp et al.			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
/YT/	*	0022170	01/1981	EP				
/YT/	*	0372350	06/1990	EP				
/YT/		0462572	12/1991	EP				
~~—~~	~~—~~	~~0464830~~	~~01/1992~~	~~EP~~	~~—~~	~~—~~	~~—~~	~~—~~
/YT/	*	0476215	03/1992	EP				
~~—~~	~~—~~	~~0505341~~	~~09/1992~~	~~EP~~	~~—~~	~~—~~	~~—~~	~~—~~
/YT/	*	0525860	02/1993	EP				
~~—~~	~~—~~	~~0526106~~	~~02/1993~~	~~EP~~	~~—~~	~~—~~	~~—~~	~~—~~
/YT/	*	0565507	10/1993	EP				
/YT/	*	0631397	12/1994	EP				
/YT/		0637179	02/1995	EP				
~~—~~	~~—~~	~~0654913~~	~~05/1995~~	~~EP~~	~~—~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~0656716~~	~~06/1995~~	~~EP~~	~~—~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~0668662~~	~~08/1995~~	~~EP~~	~~—~~	~~—~~	~~—~~	~~—~~
/YT/	*	0744876	11/1996	EP				
~~—~~	~~—~~	~~3743731~~	~~07/1980~~	~~DE~~	~~—~~	~~—~~	~~—~~	~~—~~
~~—~~	~~—~~	~~3743732~~	~~07/1980~~	~~DE~~	~~—~~	~~—~~	~~—~~	~~—~~
/YT/		2280575	02/1995	GB				
	*	2301746	12/1996	GB				
	*	62256516	11/1987	JP				
	*	S63198423	08/1998	JP				
	*	02256331	10/1990	JP				
	*	H2287874	11/1990	JP				
	*	H4222111	08/1992	JP				
/YT/	*	H4287593	10/1992	JP				

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/YT/	*	H5144128	06/1993	JP				
	*	H583381	04/1993	JP				
	*	H66374	01/1994	JP				
	*	H6104694	04/1994	JP				
	*	H758665	03/1995	JP				
	*	H7273600	10/1995	JP				
/YT/	*	H6104829	01/1996	JP				
~~———~~		~~9013042~~	~~1990~~	~~WO~~				
/YT/	*	9200639	01/1992	WO				
~~———~~		~~9221196~~	~~11/1992~~	~~WO~~				
/YT/	*	9307702	04/1993	WO				
~~———~~		~~9314588~~	~~07/1993~~	~~WO~~				
~~———~~		~~9428640~~	~~12/1994~~	~~WO~~				
~~———~~		~~9503652~~	~~02/1995~~	~~WO~~				
~~———~~		~~9507678~~	~~03/1995~~	~~WO~~				
~~———~~		~~9512257~~	~~05/1995~~	~~WO~~				
~~———~~		~~9702665~~	~~01/1997~~	~~WO~~				
/YT/	*	9707600	02/1997	WO				

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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		~~Raymond W. Nettleton, "Spectral Efficiency in Cellular Land Mobile Communications: A Spread Spectrum Approach," UMI Dissertation Information Service, (1978), 204 pgs.~~
		~~Hossein Al-Avi, "Power Control and Interference Management in a Spread Spectrum Cellular Mobile Radio System," UMI Dissertation Information Services, (1994), 124 pgs.~~
/YT/		Hagmanns et al., "Code Division Multiple Access (CDMA)," 8273 ANT Nachrichtentechnische Berichte (1993) August, No. 10, Backnang, DE, pgs. 64-71.
/YT/		"CDMA and ATM-zwei Technologies, ein Zeil," 2323 Telcom Report (Siemens) 18 (1995) Maerz/April, No. 2, Munchen, DE pgs. 60-63.
/YT/		Liu et al., "SIR-Based Call Admission Control for DS-CDMA Cellular Systems, IEEE Journal on Selected Areas in Communications, US IEEE Inc, New York, vol. 12, no. 14, May 1, 1994, pgs. 638-644.
		~~Pahlavan et al., "Performance of Adaptive Matched Filter Receivers Over Fading Multipath Channels," IEEE, vol. 38, no. 12, pgs. 2106-2113, December 1990.~~
		~~Giannetti et al., "Design of an All Digital Receiver for Narrowhead Continuous Phase Asynchronous CDMA Systems," IEEE, vol. 3, May 1993, pgs. 468-472.~~
		~~Braun et al., "An All-Digital Receiver for Satellite Audio Broadcasting Signals Using Trellis Coded Quasi-Orthogonal Code Division Multiplexing," AEI, vol. 4, no. 1, 1990, pgs. 29-32.~~
		~~Rick et al., "Noncoherent Parallel Acquisition in CDMA Spread Spectrum Systems," IEEE, Paragraph 1, May 1994.~~
		~~Bernasoni, "Receiver Architectures for the Down Link in a DS-CDMA Mobile System," IEEE, September 1994, pgs. 51-55.~~

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		3,700,820	10/1972	Blasbalg et al.			
		3,761,610	09/1973	Krallinger et al.			
		4,065,392	01/1978	Goldenberg et al.			
		4,156,277	05/1979	Seitz et al.			
		4,292,623	09/1981	Eswaran et al.			
		4,320,513	03/1992	Lampert			
		4,384,307	05/1983	Kuzmik et al.			
		4,385,206	05/1983	Bradshaw et al.			
		4,403,322	09/1983	Kato et al.			
		4,425,665	01/1984	Stauffer			
		4,458,314	07/1984	Grimes			
		4,480,307	10/1984	Budde et al.			
		4,570,220	02/1986	Tetrick et al.			
		4,583,124	04/1986	Tsuji et al.			
		4,608,700	08/1986	Kirley, Jr. et al.			
		4,630,126	12/1986	Kaku et al.			
		4,646,232	02/1987	Chang et al.			
		4,667,192	05/1987	Schmid et al.			
		4,675,955	06/1987	DeVries et al.			
		4,709,343	11/1987	Van Chang			
		4,744,079	05/1988	Csapo et al.			
		4,768,145	08/1988	Wheelwright et al.			
		4,811,262	03/1989	White			
		4,811,421	03/1989	Havel et al.			
		4,862,402	08/1989	Shah et al.			
		4,901,307	02/1990	Gilhousen et al.			
		4,914,574	04/1990	Terada et al.			
		5,022,049	06/1991	Abrahamson et al.			
		5,050,004	09/1991	Morton, Jr.			
		5,056,109	10/1991	Gilhousen et al.			
		5,084,900	01/1992	Taylor			

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	APPLICANT Lomp et al.	
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		5,093,840	03/1992	Schilling			
		5,103,459	04/1992	Gilhousen et al.			
		5,105,423	04/1992	Tanaka et al.			
		5,109,390	04/1992	Gilhousen et al.			
		5,107,225	04/1992	Wheatley et al.			
		5,113,525	05/1992	Andoh			
		5,115,429	05/1992	Hucky et al.			
		5,117,385	05/1992	Gee			
		5,140,613	08/1992	Birgenheier et al.			
		5,159,283	10/1992	Jensen			
		5,159,551	10/1992	Brunnett et al.			
		5,166,929	11/1992	Lo			
		5,166,951	11/1992	Schilling			
		5,166,952	11/1992	Omurg et al.			
		5,193,094	03/1993	Viterbi			
		5,199,061	03/1993	Kim			
		5,204,876	04/1993	Brucken et al.			
		5,216,692	06/1993	Ling			
		5,224,120	06/1993	Schilling			
		5,228,054	07/1993	Rueth et al.			
		5,228,056	07/1993	Schilling			
		5,235,614	08/1993	Bruckert et al.			
		5,237,586	08/1993	Bottomley			
		5,241,690	08/1993	Larsson et al.			
		5,245,629	09/1993	Hall			
		5,253,268	10/1993	Omura et al.			
		5,253,347	10/1993	Bagnoli et al.			
		5,257,283	10/1993	Gilhousen et al.			
		5,258,940	11/1993	Coker et al.			
		5,260,967	11/1993	Schilling			

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		5,262,974	11/1993	Hausman et al.			
		5,265,119	11/1993	Gilhousen et al.			
		5,267,262	11/1993	Wheatley, III			
		5,274,474	12/1993	Medina			
		5,276,684	01/1994	Pearson			
		5,276,907	04/1994	Meidan			
		5,283,536	02/1994	Wheatley, III			
		5,287,299	02/1994	Lin			
		5,287,463	02/1994	Frame et al.			
		5,295,152	03/1994	Gudmundson et al.			
		5,297,162	03/1994	Lee et al.			
		5,299,226	03/1994	Schilling			
		5,299,228	03/1994	Hall			
		5,305,349	04/1994	Dent			
		5,309,474	05/1994	Gilhousen et al.			
		5,311,459	05/1994	D'Luna et al.			
		5,321,721	06/1994	Yamaura et al.			
		5,327,455	07/1994	DeGaudenzi et al.			
		5,327,467	07/1994	DeGaudenzi et al.			
		5,329,547	07/1994	Ling et al.			
		5,339,174	08/1994	Harris			
		5,341,396	08/1994	Higgins et al			
		5,341,397	08/1994	Gudmundson			
		5,343,335	08/1994	Hara			
		5,345,598	09/1994	Dent			
		5,347,536	09/1994	Meehan			
		5,349,606	09/1994	Lovell et al.			
		5,351,134	09/1994	Yaguchi et al.			
		5,353,302	10/1994	Bi			
		5,353,352	10/1994	Dent et al.			
		5,355,453	10/1994	Row et al.			
		5,361,276	11/19994	Subrmanian			

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		5,365,544	11/1994	Schilling			
		5,365,585	11/1994	Puhl et al.			
		5,367,533	11/1994	Schilling			
		5,373,502	12/1994	Turban			
		5,377,183	12/1994	Dent			
		5,379,242	01/1995	Rose et al.			
		5,392,287	02/1995	Tiedemann, Jr. et al.			
		5,396,516	03/1995	Padovani et al.			
		5,396,539	03/1995	Sleyks et al.			
		5,398,243	03/1995	Aguilhon et al.			
		5,404,376	4/1995	Dent			
		5,406,559	04/1995	Edem et al.			
		5,406,615	04/1995	Miller II et al.			
		5,410,568	04/1995	Schilling			
		5,414,728	05/1995	Zehavi			
		5,414,729	05/1995	Fenton			
		5,414,732	05/1995	Kauffman			
		5,416,797	05/1995	Gilhousen et al.			
		5,418,624	05/1995	Ahmed			
		5,420,850	05/1995	Umeda et al.			
		5,420,864	05/1995	Dahlin et al.			
		5,420,896	06/1995	Schilling			
		5,430,724	07/1995	Fall et al.			
		5,430,760	07/1995	Dent			
		5,440,597	08/1995	Chung et al.			
		5,442,662	08/1995	Fukasawa et al.			
		5,446,683	08/1995	Mullen et al.			

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		5,446,756	08/1995	Mallinckrodt			
		5,448,600	09/1995	Lucas			
		5,454,026	09/1995	Tanaka			
		5,459,759	10/1995	Schilling			
		5,483,549	01/1996	Weinberg et al.			
		5,485,486	01/1996	Gilhousen et al.			
		5,487,089	01/1996	Misaizu et al.			
		5,488,629	01/1996	Takahashi et al.			
		5,506,864	04/1996	Schilling			
		5,509,126	04/1996	Oprescu et al.			
		5,519,736	05/1996	Ishida			
		5,528,593	06/1996	English et al.			
		5,528,624	06/1996	Kaku et al.			
		5,544,156	08/1996	Teder et al.			
		5,548,613	08/1996	Kaku et al.			
		5,574,775	11/1996	Miller, II et al.			
		5,550,811	08/1996	Kaku et al.			
		5,559,790	09/1996	Yano et al.			
		5,561,669	10/1996	Lenny et al.			
		5,563,912	10/1996	Yasunga			
		5,568,483	10/1996	Padovani et al.			
		5,574,754	11/1996	Kurihara et al.			
		5,574,983	11/1996	Duozono et al.			
		5,594,718	01/1997	Weaver, Jr. et al.			
		5,596,570	01/1997	Soliman			
		5,604,730	02/1997	Tiedemann, Jr.			
		5,619,524	04/1997	Ling et al.			
		5,619,526	04/1997	Kim et al.			
		5,627,835	05/1997	Witter			
		5,627,855	05/1997	Davidovici			
		5,638,362	06/1997	Dohi et al.			

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		5,644,590	07/1997	Sugita			
		5,652,765	07/1997	Adachi et al.			
		5,654,980	08/1997	Latva-aho et al.			
		5,657,343	08/1997	Schilling			
		5,673,259	09/1997	Quick, Jr.			
		5,673,286	09/1997	Lomp			
		5,675,581	10/1997	Soliman			
		5,691,974	11/1997	Zehavi et al.			
		5,692,008	11/1997	Van Nee			
		5,710,768	03/1999	Ziv et al.			
		5,712,869	01/1998	Lee et al.			
		5,722,051	02/1998	Agrawal et al.			
		5,745,484	04/1998	Scott			
		5,748,687	05/1998	Ozluturk			
		5,771,451	06/1998	Takai et al.			
		5,781,584	07/1998	Zhou et al.			
		5,790,591	09/1998	Gold et al.			
		5,796,776	08/1998	Lomp et al.			
		5,812,593	09/1998	Kaku			
		5,828,662	10/1998	Jalali et al.			
		5,841,768	11/1998	Ozluturk et al.			
		5,870,378	02/1999	Huang et al.			
		5,872,810	02/1999	Phillips et al.			
		5,875,400	02/1999	Madhavapeddy et al.			
		5,878,329	03/1999	Mallinckrodt			
		5,878,350	03/1999	Nakamura et al.			
		5,881,056	03/1999	Huang et al.			

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		5,884,187	03/1999	Ziv et al.			
		5,884,196	03/1999	Lekven et al.			
		5,898,665	04/1999	Sawahashi et al.			
		5,940,382	08/1999	Haim			
		5,940,771	08/1999	Gollnick et al.			
		5,953,346	09/1999	Luddy			
		5,966,403	10/1999	Pon			
		5,991,332	11/1999	Lomp et al.			
		6,018,528	01/2000	Gitlin et al.			
		6,072,787	06/2000	Hamalainen et al.			
		6,088,335	07/2000	I et al.			
		6,049,535	04/2000	Ozluturk et al.			
		6,104,748	08/2000	Kaku			
		6,108,537	08/2000	Cormet et al.			
		6,122,292	09/2000	Watanabe et al.			
		6,141,374	10/2000	Burns			
		6,212,174	04/2001	Lomp et al.			
		6,229,843	05/2001	Lomp et al.			
		6,272,168	08/2001	Lomp et al.			
		6,292,519	09/2001	Popovic			
		6,381,264	04/2002	Lomp et al.			
		6,434,124	08/2002	Rege			
		6,463,295	10/2002	Yun			
		6,519,461	02/2003	Andersson et al.			
		6,549,565	04/2003	Buehrer et al.			
		6,587,447	07/2003	Wang et al.			
		6,654,613	11/2003	Maeng et al.			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
~~—~~	~~—~~	~~6,708,041~~	~~03/2004~~	~~Butovitsch et al.~~			
~~—~~	~~—~~	~~6,721,301~~	~~04/2004~~	~~Ozluturk et al.~~			
~~—~~	~~—~~	~~6,760,321~~	~~07/2004~~	~~Chamsunder~~			
~~—~~	~~—~~	~~6,763,244~~	~~07/2004~~	~~Chen et al.~~			
~~—~~	~~—~~	~~6,778,551~~	~~08/2004~~	~~Magnus et al.~~			
~~—~~	~~—~~	~~2003/0193914~~	~~10/2003~~	~~Lomp et al.~~			
/YT/	*	5,022,024	06/1991	Paneth et al.			
/YT/	*	5,101,501	03/1992	Gilhousen et al.			
/YT/	*	5,210,771	05/1993	Schaeffer et al.			
/YT/	*	5,508,708	04/1996	Ghosh et al.			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		0022170	01/1981	EP				
		0372350	06/1990	EP				
		0462572	12/1991	EP				
		0464839	01/1992	EP				
		0476215	03/1992	EP				
		0505341	09/1992	EP				
		0525860	02/1993	EP				
		0526106	02/1993	EP				
		0565507	10/1993	EP				
		0631397	12/1994	EP				
		0637179	02/1995	EP				
		0654913	05/1995	EP				
		0656716	06/1995	EP				
		0668662	08/1995	EP				
		0744876	11/1996	EP				
		3743731	07/1989	DE				
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		2280575	02/1995	GB				
		2301746	12/1996	GB				
		62256516	11/1987	JP				
		S63198423	08/1998	JP				
		02256331	10/1990	JP				
		H2287874	11/1990	JP				
		H4222111	08/1992	JP				
		H4287593	10/1992	JP				

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		H5144128	06/1993	JP				
		H583381	04/1993	JP				
		H66374	01/1994	JP				
		H6104694	04/1994	JP				
		H758665	03/1995	JP				
		H7273600	10/1995	JP				
		H6104829	01/1996	JP				
		9013942	1990	WO				
		9200639	01/1992	WO				
		9221196	11/1992	WO				
		9307702	04/1993	WO				
		9314588	07/1993	WO				
		9428640	12/1994	WO				
		9503652	02/1995	WO				
		9507578	03/1995	WO				
		9512257	05/1995	WO				
		9702666	01/1997	WO				
		9707600	02/1997	WO				

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		~~Raymond W. Nettleton, "Spectral Efficiency in Cellular Land Mobile Communications: A Spread Spectrum Approach," UMI Dissertation Information Service, (1979), 294 pgs.~~
		Hossein Al Avi, "Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System," UMI Disseratation Information Services, (1984), 124 pgs.
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/YT/	*	Esmailzadeh, et al., "Power control in packet switched time division duplex direct sequence spread spectrum communications" Vehicular Technology Conference, 1992 IEEE 42nd, Vol 2. 10-13 May 1992; pp.:989-992
/YT/	*	D'Avella, et al., "Power control in CDMA systems: performance evaluation and system design implications" Universal Personal communications, 1994, Record., 1994 Third Annual international conference on, September 27 – October 1, 1994; pp: 73-77
/YT/	*	Chuang et al., "Uplink power control for TDMA portable radio channes" Vehicular Technology, IEEE Transactions on, Vol. 43, Issue: 1, February 1994; pp. 33-39

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		3,761,610	09/1973	Krallinger et al.			
		4,069,392	01/1978	Goldenberg et al.			
		4,156,277	05/1979	Seitz et al.			
		4,292,623	09/1981	Eswaran et al.			
		4,320,513	03/1992	Lampert			
		4,384,307	05/1983	Kuzmik et al.			
		4,385,206	05/1983	Bradshaw et al.			
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		4,425,665	01/1984	Stauffer			
		4,458,314	07/1984	Grimes			
		4,480,307	10/1984	Budde et al.			
		4,570,220	02/1986	Tetrick et al.			
		4,583,124	04/1986	Tsuji et al.			
		4,608,700	08/1986	Kirley, Jr. et al.			
		4,630,126	12/1986	Kaku et al.			
		4,646,232	02/1987	Chang et al.			
		4,667,192	05/1987	Schmid et al.			
		4,675,865	06/1987	DeVries et al.			
		4,709,343	11/1987	Van Chang			
		4,744,079	05/1988	Csapo et al.			
		4,768,145	08/1988	Wheelwright et al.			
		4,811,262	03/1989	White			
		4,811,421	03/1989	Havel et al.			
		4,862,402	08/1989	Shah et al.			
		4,901,307	02/1990	Gilhousen et al.			
		4,914,574	04/1990	Terada et al.			
		5,022,049	06/1991	Abrahamson et al.			
		5,050,004	09/1991	Morton, Jr.			
		5,056,109	10/1991	Gilhousen et al.			
		5,084,900	01/1992	Taylor			

EXAMINER	DATE CONSIDERED

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
I-2-0092.5US	10/680,943
APPLICANT	
Lomp et al.	
FILING DATE	GROUP
October 8, 2003	2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,093,840	03/1992	Schilling			
		5,103,459	04/1992	Gilhousen et al.			
		5,105,423	04/1992	Tanaka et al.			
		5,109,390	04/1992	Gilhousen et al.			
		5,107,225	04/1992	Wheatley et al.			
		5,113,525	05/1992	Andoh			
		5,115,429	05/1992	Hucky et al.			
		5,117,385	05/1992	Gee			
		5,140,613	08/1992	Birgenheier et al.			
		5,159,283	10/1992	Jensen			
		5,159,551	10/1992	Brunnett et al.			
		5,166,929	11/1992	Lo			
		5,166,951	11/1992	Schilling			
		5,166,952	11/1992	Omurg et al.			
		5,193,094	03/1993	Viterbi			
		5,199,061	03/1993	Kim			
		5,204,876	04/1993	Bruckert et al.			
		5,216,692	06/1993	Ling			
		5,224,120	06/1993	Schilling			
		5,228,054	07/1993	Rueth et al.			
		5,228,056	07/1993	Schilling			
		5,235,614	08/1993	Bruckert et al.			
		5,237,586	08/1993	Bottomley			
		5,241,690	08/1993	Larsson et al.			
		5,245,629	09/1993	Hall			
		5,253,268	10/1993	Omura et al.			
		5,253,347	10/1993	Bagnoli et al.			
		5,257,283	10/1993	Gilhousen et al.			
		5,258,940	11/1993	Coker et al.			
		5,260,967	11/1993	Schilling			

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AUG 26 2005
PATENT & TRADEMARK OFFICE

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0092.5US	SERIAL NO. 10/680,943
	APPLICANT Lomp et al.	
	FILING DATE October 8, 2003	GROUP 2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,262,974	11/1993	Hausman et al.			
		5,265,119	11/1993	Gilhousen et al.			
		5,267,262	11/1993	Wheatley, III			
		5,274,474	12/1993	Medina			
		5,276,684	01/1994	Pearson			
		5,276,907	04/1994	Meidan			
		5,283,536	02/1994	Wheatley, III			
		5,287,299	02/1994	Lin			
		5,287,463	02/1994	Frame et al.			
		5,295,152	03/1994	Gudmundson et al.			
		5,297,162	03/1994	Lee et al.			
		5,299,226	03/1994	Schilling			
		5,299,228	03/1994	Hall			
		5,305,349	04/1994	Dent			
		5,309,474	05/1994	Gilhousen et al.			
		5,311,459	05/1994	D'Luna et al.			
		5,321,721	06/1994	Yamaura et al.			
		5,327,455	07/1994	DeGaudenzi et al.			
		5,327,467	07/1994	DeGaudenzi et al.			
		5,329,547	07/1994	Ling et al.			
		5,339,174	08/1994	Harris			
		5,341,396	08/1994	Higgins et al			
		5,341,397	08/1994	Gudmundson			
		5,343,335	08/1994	Hara			
		5,345,598	09/1994	Dent			
		5,347,536	09/1994	Meehan			
		5,349,606	09/1994	Lovell et al.			
		5,351,134	09/1994	Yaguchi et al.			
		5,353,302	10/1994	Bi			
		5,353,352	10/1994	Dent et al.			
		5,355,453	10/1994	Row et al.			
		5,361,276	11/19994	Subrmanian			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,363,377	11/1994	Sharpe			
		5,365,544	11/1994	Schilling			
		5,365,585	11/1994	Puhl et al.			
		5,367,533	11/1994	Schilling			
		5,373,502	12/1994	Turban			
		5,377,183	12/1994	Dent			
		5,379,242	01/1995	Rose et al.			
		5,392,287	02/1995	Tiedemann, Jr. et al.			
		5,396,516	03/1995	Padovani et al.			
		5,396,539	03/1995	Sleyks et al.			
		5,398,243	03/1995	Aguilhon et al.			
		5,404,376	4/1995	Dent			
		5,406,559	04/1995	Edem et al.			
		5,406,615	04/1995	Miller, II et al.			
		5,410,568	04/1995	Schilling			
		5,414,728	05/1995	Zehavi			
		5,414,729	05/1995	Fenton			
		5,414,732	05/1995	Kauffman			
		5,416,797	05/1995	Gilhousen et al.			
		5,418,624	05/1995	Ahmed			
		5,420,850	05/1995	Umeda et al.			
		5,420,864	05/1995	Dahlin et al.			
		5,420,896	06/1995	Schilling			
		5,430,724	07/1995	Fall et al.			
		5,430,760	07/1995	Dent			
		5,440,597	08/1995	Chung et al.			
		5,442,662	08/1995	Fukasawa et al.			
		5,446,683	08/1995	Mullen et al.			

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	APPLICANT Lomp et al.	
	FILING DATE October 8, 2003	GROUP 2634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,446,756	08/1995	Mallinckrodt			
		5,448,600	09/1995	Lucas			
		5,454,026	09/1995	Tanaka			
		5,459,759	10/1995	Schilling			
		5,483,549	01/1996	Weinberg et al.			
		5,485,486	01/1996	Gilhousen et al.			
		5,487,089	01/1996	Misaizu et al.			
		5,488,629	01/1996	Takahashi et al.			
		5,506,864	04/1996	Schilling			
		5,509,126	04/1996	Oprescu et al.			
		5,519,736	05/1996	Ishida			
		5,528,593	06/1996	English et al.			
		5,528,624	06/1996	Kaku et al.			
		5,544,156	08/1996	Teder et al.			
		5,548,613	08/1996	Kaku et al.			
		5,574,775	11/1996	Miller, II et al.			
		5,550,811	08/1996	Kaku et al.			
		5,559,790	09/1996	Yano et al.			
		5,561,669	10/1996	Lenny et al.			
		5,563,912	10/1996	Yasunga			
		5,568,483	10/1996	Padovani et al.			
		5,574,754	11/1996	Kurihara et al.			
		5,574,983	11/1996	Duozono et al.			
		5,594,718	01/1997	Weaver, Jr. et al.			
		5,596,570	01/1997	Soliman			
		5,604,730	02/1997	Tiedemann, Jr.			
		5,619,524	04/1997	Ling et al.			
		5,619,526	04/1997	Kim et al.			
		5,627,835	05/1997	Witter			
		5,627,855	05/1997	Davidovici			
		5,638,362	06/1997	Dohi et al.			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,644,590	07/1997	Sugita			
		5,652,765	07/1997	Adachi et al.			
		5,654,980	08/1997	Latva-aho et al.			
		5,657,343	08/1997	Schilling			
		5,673,259	09/1997	Quick, Jr.			
		5,673,286	09/1997	Lomp			
		5,675,581	10/1997	Soliman			
		5,691,974	11/1997	Zehavi et al.			
		5,692,008	11/1997	Van Nee			
		5,710,768	03/1999	Ziv et al.			
		5,712,869	01/1998	Lee et al.			
		5,722,051	02/1998	Agrawal et al.			
		5,745,484	04/1998	Scott			
		5,748,687	05/1998	Ozluturk			
		5,771,451	06/1998	Takai et al.			
		5,781,584	07/1998	Zhou et al.			
		5,790,591	09/1998	Gold et al.			
		5,796,776	08/1998	Lomp et al.			
		5,812,593	09/1998	Kaku			
		5,828,662	10/1998	Jalali et al.			
		5,841,768	11/1998	Ozluturk et al.			
		5,870,378	02/1999	Huang et al.			
		5,872,810	02/1999	Phillips et al.			
		5,875,400	02/1999	Madhavapeddy et al.			
		5,878,329	03/1999	Mallinckrodt			
		5,878,350	03/1999	Nakamura et al.			
		5,881,056	03/1999	Huang et al.			

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	APPLICANT Lomp et al.	
	FILING DATE October 8, 2003	GROUP 2834

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,881,368	03/1999	Grob et al.			
		5,884,187	03/1999	Ziv et al.			
		5,884,196	03/1999	Lekven et al.			
		5,898,665	04/1999	Sawahashi et al.			
		5,940,382	08/1999	Haim			
		5,940,771	08/1999	Gollnick et al.			
		5,953,346	09/1999	Luddy			
		5,966,403	10/1999	Pon			
		5,991,332	11/1999	Lomp et al.			
		6,018,528	01/2000	Gitlin et al.			
		6,072,787	06/2000	Hamalainen et al.			
		6,088,335	07/2000	I et al.			
		6,049,535	04/2000	Ozluturk et al.			
		6,104,748	08/2000	Kaku			
		6,108,537	08/2000	Cormer et al.			
		6,122,292	09/2000	Watanabe et al.			
		6,141,374	10/2000	Burns			
		6,212,174	04/2001	Lomp et al.			
		6,229,843	05/2001	Lomp et al.			
		6,272,168	08/2001	Lomp et al.			
		6,292,519	09/2001	Popovic			
		6,381,264	04/2002	Lomp et al.			
		6,434,124	08/2002	Rege			
		6,463,295	10/2002	Yun			
		6,519,461	02/2003	Andersson et al.			
		6,549,565	04/2003	Buehrer et al.			
		6,587,447	07/2003	Wang et al.			
		6,654,613	11/2003	Maeng et al.			

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	APPLICANT Lomp et al.	
	FILING DATE October 8, 2003	GROUP 2624

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,708,041	03/2004	Butovitsch et al.			
		6,721,301	04/2004	Ozluturk et al.			
		6,760,321	07/2004	Shamsunder			
		6,763,244	07/2004	Chen et al.			
		6,778,551	08/2004	Magnus et al.			
		2003/0193914	10/2003	Lomp et al.			
		5,022,024	06/1991	Paneth et al.			
		5,101,501	03/1992	Gilhousen et al.			
		5,210,771	05/1993	Schaeffer et al.			
		5,508,708	04/1996	Ghosh et al.			

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	APPLICANT Lomp et al.	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		0022170	01/1981	EP				
		0372350	06/1990	EP				
		0462572	12/1991	EP				
		0464839	01/1992	EP				
		0476215	03/1992	EP				
		0505341	09/1992	EP				
		0525860	02/1993	EP				
		0526106	02/1993	EP				
		0565507	10/1993	EP				
		0631397	12/1994	EP				
		0637179	02/1995	EP				
		0654913	05/1995	EP				
		0656716	06/1995	EP				
		0668662	08/1995	EP				
		0744876	11/1996	EP				
		3743731	07/1989	DE				
		3743732	07/1989	DE				
		2280575	02/1995	GB				
		2301746	12/1996	GB				
		62256516	11/1987	JP				
		S63198423	08/1998	JP				
		02256331	10/1990	JP				
		H2287874	11/1990	JP				
		H4222111	08/1992	JP				
		H4287593	10/1992	JP				

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		H5144128	06/1993	JP				
		H583381	04/1993	JP				
		H66374	01/1994	JP				
		H6104694	04/1994	JP				
		H758665	03/1995	JP				
		H7273600	10/1995	JP				
		H6104829	01/1996	JP				
		9013942	1990	WO				
		9200639	01/1992	WO				
		9221196	11/1992	WO				
		9307702	04/1993	WO				
		9314588	07/1993	WO				
		9428640	12/1994	WO				
		9503652	02/1995	WO				
		9507578	03/1995	WO				
		9512257	05/1995	WO				
		9702668	01/1997	WO				
		9707600	02/1997	WO				

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	APPLICANT Lomp et al.	
	FILING DATE October 8, 2003	GROUP ~~2634~~ 2611

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
		~~Raymond W. Nettleton, "Spectral Efficiency in Cellular Land Mobile Communications: A Spread Spectrum Approach," UMI Dissertation Information Service, (1979), 204 pgs.~~
		Hossein Al Avi, "Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System," UMI Disseratation Information Services, (1984), 124 pgs.
		Hagmanns et al., "Code Division Multiple Access (CDMA)," 8273 ANT Nachrichtentechnische Berichte (1993) August, No. 10, Backnang, DE, pgs. 64-71.
		"CDMA and ATM-zwei Technologies, ein Zeil," 2323 Telcom Report (Siemens) 18 (1995) Maerz/April, No. 2, Munchen, DE pgs. 60-63.
		Liu et al., "SIR-Based Call Admission Control for DS-CDMA Cellular Systems, IEEE Journal on Selected Areas in Communications, US IEEE Inc, New York, vol. 12, no. 14, May 1, 1994, pgs. 638-644.
		Pahlavan et al., "Performance of Adaptive Matched Filter Receivers Over Facing Multipath Channels," IEEE, vol. 38, no. 12, pgs. 2106-2113, December 1990.
		Giannetti et al., "Design of an All-Digital Receiver for Narrowhead Continuous-Phase Asynchronous CDMA Systems," IEEE, vol. 3, May 1993, pgs. 468-472.
		Braun et al., "An All-Digital Receiver for Satellite Audio Broadcasting Signals Using Trellis Coded Quasi-Orthogonal Code-Division Multiplexing," AEI, vol. 4, no. 1, 1993, pgs. 23-32.
		Rick et al., "Noncoherent Parallel Acquisition in CDMA Spread Spectrum Systems," IEEE, Paragraph 1, May 1994.
		Bernasoni, "Receiver Architectures for the Down-Link in a DS-CDMA Mobile System," IEEE, September 1994, pgs. 51-55.
		Esmailzadeh, et al., "Power control in packet switched time division duplex direct sequence spread spectrum communications" Vehicular Technology Conference, 1992 IEEE 42nd, Vol 2, 10-13 May 1992; pp.:989-992
		D'Avella, et al., "Power control in CDMA systems: performance evaluation and system design implications" Universal Personal communications, 1994, Record., 1994 Third Annual international conference on, September 27 – October 1, 1994; pp: 73-77
		~~Chuang et al., "Uplink power control for TDMA portable radio channes" Vehicular Technology, IEEE Transactions on, Vol. 43, Issue: 1, February 1994; pp. 33-39~~
/YT/	*	TIA/EIA/IS-95-A, "Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System", TIA/EIA Interim Standard, Telecommunications Industry Association, May 1995.

EXAMINER	DATE CONSIDERED
/Young Tse/	02/16/2007

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	FILING DATE October 8, 2003	GROUP ~~2637~~ 2611

OIPE JAP46 JAN 23 2006 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,700,820	10/1972	Blasbalg et al.			
		3,761,610	09/1973	Krallinger et al.			
		4,069,392	01/1978	Goldenberg et al.			
		4,156,277	05/1979	Seitz et al.			
		4,292,623	09/1981	Eswaran et al.			
		4,320,513	03/1992	Lampert			
		4,384,307	05/1983	Kuzmik et al.			
		4,385,206	05/1983	Bradshaw et al.			
		4,403,322	09/1983	Kato et al.			
		4,425,665	01/1984	Stauffer			
		4,458,314	07/1984	Grimes			
		4,480,307	10/1984	Budde et al.			
		4,570,220	02/1986	Tetrick et al.			
		4,583,124	04/1986	Tsuji et al.			
		4,608,700	08/1986	Kirtley, Jr. et al.			
		4,630,126	12/1986	Kaku et al.			
		4,646,232	02/1987	Chang et al.			
		4,667,192	05/1987	Schmid et al.			
		4,675,865	06/1987	DeVries et al.			
		4,709,343	11/1987	Van Chang			
		4,744,079	05/1988	Csapo et al.			
		4,768,145	08/1988	Wheelwright et al.			
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		4,811,262	03/1989	White			
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/Young Tse/	02/16/2007

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PATENT & TRADEMARK OFFICE

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. I-2-0092.5US	SERIAL NO. 10/680,943
	APPLICANT Lomp et al.	
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		4,811,421	03/1989	Havel et al.			
		4,862,402	08/1989	Shah et al.			
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		5,224,120	06/1993	Schilling			
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		5,276,907	04/1994	Meidan			
		5,283,536	02/1994	Wheatley, III			
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		5,287,463	02/1994	Frame et al.			
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		5,309,474	05/1994	Gilhousen et al.			
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		5,321,721	06/1994	Yamaura et al.			
		5,327,455	07/1994	DeGaudenzi et al.			

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		5,345,598	09/1994	Dent			
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		5,410,568	04/1995	Schilling			
		5,414,728	05/1995	Zehavi			
		5,414,729	05/1995	Fenton			
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		5,416,797	05/1995	Gilhousen et al.			
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		5,420,850	05/1995	Umeda et al.			
		5,420,864	05/1995	Dahlin et al.			
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		5,430,724	07/1995	Fall et al.			
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		5,446,683	08/1995	Mullen et al.			
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		5,459,759	10/1995	Schilling			
		5,483,549	01/1996	Weinberg et al.			
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/YT/	*	5,487,180	01/1996	Ohtake**			
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**corresponds to Japanese Application H7-075154

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